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## PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

20-Dec-2010

**Company:** 116820

Room/Area ID: Reference #:



 Sales Order #:
 02688

 CCC Panel #:
 P67764

 Date In:
 16-Nov-2010

 Date Out:
 30-Nov-2010

Days In Service: 14

**CCC Panel # P67764** 

ISA Class G1 Mild

Copper Corrosion 101 Å/30 Days

Silver Corrosion 216 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67764

The electrolytic reduction analysis on Corrosion Classification Coupon #P67764 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

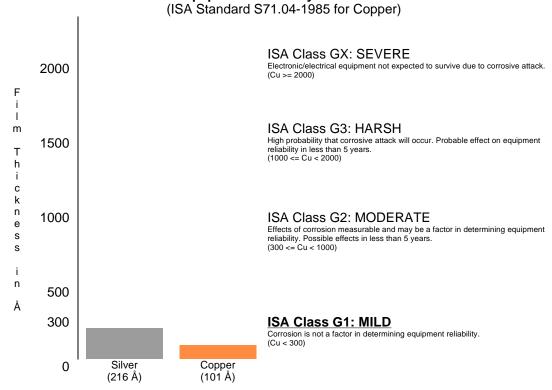
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## PURAFIL CCC # P67764 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	30 Days	1 Year	5 Year	magnifica 20x
Copper Films				
Cu <sub>2</sub> S	0 Å	0 Å	0 Å	
Cu <sub>2</sub> O	101 Å	135 Å	177 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	101 Å	135 Å	177 Å	
Silver Films				
AgCI	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	216 Å	2635 Å	13177 Å	
Unknowns	o Å	0 Å	0 Å	
Totals	216 Å	2635 Å	13177 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

## **Equipment Reliability Correlation**



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